



RANDALL RICOTTA, Investigator

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Licensed, Bonded & Insured in Michigan, Ohio, Illinois, Indiana, Arizona, Florida and Ontario, Canada

EXPERTISE:

Accident Reconstruction/Accident Damage Analysis

EDUCATION, TRAINING & QUALIFICATIONS:

December 1981

Wayne State University, Detroit Michigan.

Bachelor of Science in Criminal Justice Degree

December 1981

Macomb Community College, Michigan

Associate of Applied Science for Crime Lab Technician

January 1983

Macomb Community College Emergency Medical Technician Program. Obtained State Certification as Basic Emergency Medical Technician.

June – August. 1983

Graduate of Macomb Community College Criminal Justice Training Center / Basic Police Academy

February 1987

Michigan State Police Breathalyzer School / Certification.

Course Study: Operation & Maintenance of Breathalyzer Unit

June 1987

Macomb Community College Criminal Justice Training Center.

Course Study: Basic Evidence Technician School / Training.

October 1987

Macomb Community College Criminal Justice Training Center Seminar on Violent Persons and Serial Killers

January 1988

Macomb Community College Criminal Justice Training Center.

Course Study: Laser Fingerprint Restoration

May 1988

Wayne State University School of Medicine (Dr. Werner Spitz).

Course Study: Medicolegal Investigation of Death Seminar. Forensic Death Investigation

November 1988

Macomb Community College / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation I

February 1989

Oakland Community College Criminal Justice Training Center / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation II.

March 1989

Macomb County Community College Criminal Justice Training Center.

Course Study: Investigative Techniques for Child Abuse.

EDUCATION, TRAINING & QUALIFICATIONS: (continued)

July 1989

Macomb County Community College Criminal Justice Training Center / Michigan State University Highway Traffic Safety Program.

Course Study: Accident Investigation III.

June 1991

Michigan State Police Forensic Technology Seminar (Spectrum 91).

Course Study: Update of Forensic Science Techniques

Photography for the Forensic Investigator Seminar. Dr. Thomas West

Course Study: Forensic Photography

May 1992

Macomb Community College Criminal Justice Training Center.

Course Study: Forensic Light Source Training.

April 1993

John E Reid & Associates Chicago Illinois

Course Study: Reid Technique of Interviewing & Interrogation.

November 1997

Macomb Community College Criminal Justice Training Center

March 1998

Michigan State University Highway Traffic Safety Program , Department of Civil and Environmental Engineering.

Course Study: Initial Investigation/ Accident Investigation 1.

April 1998

Michigan State University Highway Traffic Safety Program

Course Study: Follow-up Investigations / Accident Investigation 2.

April 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Accident Photography / Accident Investigation 3.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Perspective Grid Mapping of Evidence / Accident Investigation 4.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Tire Dynamics /Accident Investigation 5.

May 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Lamp Examination / Accident Investigation 6.

September 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Commercial Vehicle Accident Investigation/Accident Investigation 7.

October 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Motorcycle Accident Investigation / Accident Investigation 8.

December 1998

Michigan State University Highway Traffic Safety Program.

Course Study: Accident Reconstruction /Accident Reconstruction 9.

EDUCATION, TRAINING & QUALIFICATIONS: (continued)

June 1998

Michigan State University Highway Traffic Safety Program.
Course Study: Night Visibility & Lighting Requirements/Accident Investigation 11.

October 1998

Michigan State University Highway Traffic Safety Program.
Course Study: Vehicle/Pedestrian Collisions / Accident Investigation 12

November 1998

Michigan State University Highway Traffic Safety Program.
Course Study: Vehicle Damage Measuring for Computer Reconstruction / Accident Investigation 14

March 1999

Michigan State University Highway Traffic Safety Program.
Course Study: Computer-Aided Drawing / Accident Investigation 15D

March 1999

Wayne State University School of Medicine (Dr. Werner Spitz).
Course Study: Medicolegal Investigations of Death Seminar. Forensic Death Investigation.

June 1999

Michigan State University Highway Traffic Safety Program.
Course Study: Review of Momentum Principles, Kinetic Energy & Co-linear Collisions .Accident Investigation 9 Update.

January 2001

Michigan State University Highway Traffic Safety Program.
Course Study: Advanced Accident Reconstruction Momentum Principles, Vector Sum Analysis, AI-13

April 2002

Michigan State University Highway Traffic Safety Program.
Course Study: Review of Momentum Principles, Kinetic Energy & Co-Linear Collisions /Accident Investigation 9 Update.

August 2002

Macomb Community College Criminal Justice Training Center
Course Study: Alcohol Standard Field Sobriety Training & Drug Recognition Seminar.

November 2002

Michigan State University Highway Traffic Safety Program.
Course Study: Advanced Motorcycle Accident Reconstruction/Accident Investigation 18

March 2003

Michigan State University Highway Traffic Safety Program.
Course Study: Accident Avoidance Analysis/Accident Investigation 17A.

March 2003

Michigan State University Highway Traffic Safety Program & Collision Safety Institute San Diego CA. Crash Data Recorder System & Vetronix Crash Data Retrieval system Certification Course. Accident Investigation 19

June 2003

Michigan State University Highway Traffic Safety Program.
Course Study: Investigating Accidents Involving Alcohol & Other Drugs. Accident Investigation 21.

April 2004

Michigan State University Highway Traffic Safety Program.
Course Study: Energy Applications in Accident Reconstruction. Accident Investigation 20.

EDUCATION, TRAINING & QUALIFICATIONS: (continued)

June 2004

Michigan State University Highway Traffic Safety Program.

Course Study: Emergency Vehicle Accident Investigation . Accident Investigation 22.

April 2005

North Coast Polytechnic Institute & Michigan State University.

Course Study: Bio-Mechanics in Accident Reconstruction Accident Reconstruction 10A

April 2005

North Coast Polytechnic Institute & Michigan State University.

Course Study: Bio-Mechanics in Accident Reconstruction. Accident Reconstruction 10 B

April 2006

Visual Statement INC. BC Canada / Training for Vista FX 2 Software.

Course Study: Diagramming and 3D Animation Software for Accident Reconstruction.

September 2006

Vetronix Corporation & Crash Safety Institute

Course Study: Crash Data Recorder System Technician Training

September 2006

Vetronix Corporation C Crash Safety Institute

Course Study: Crash Data Recorder Data Analyst Training. Evaluation of Recovered CDR Data.

EXPERIENCE:

2009 – Present Herndon and Associates

1997 to 2008: Warren Police Department Detective/Cpl Responsible for Fatal Accident Investigation, Reconstruction and Serious Felony/Homicide Investigations. Currently assigned to Criminal Investigations Division, Squad 1.

Speed Analysis

Evidence Identification & Interpretation

Causation Factors

Crash Profile Interpretation

Tire Examination

Lamp Examination

Commercial Vehicle

Crash Data Recorder, “Black Box”, downloads & interpretation

Preparation of Scale Diagrams & Court Presentations

3 Dimensional Video Crash Animations

Photography (at scene and Forensic)

1995 to1997: Warren Police Department Detective/ Corporal assigned to Criminal Investigations Fraud unit.

1992 to 1995: Warren Police Department Detective /Corporal assigned to the Criminal Investigations. General Criminal Investigations.

1987 to1992: Patrol Officer Warren Police Department Evidence Technician Unit.
Evidence Identification & Preservation
Latent Print Chemical Restoration & Recovery
Basic and Forensic Photography for Evidence Preservation
Identification and Recovery of Trace Evidence
Measuring of Scene for Documentation
At-Scene Crash Investigations

EXPERIENCE : (continued)

Scene Examination, Evidence Identification
Scene Photography
Basic Speed Determinations (slide to stop)
Human Factors
Basic Patrol Duties & Traffic Enforcement

1985 to 1987: Patrol Officer, City of Warren Police Department.
Basic Accident Investigation and Reporting
General Traffic patrol & Enforcement, Traffic Radar
Basic Criminal Investigation

1983 to 1985: Public Safety Officer, City of Grosse Pointe Woods Michigan
Responsible for Police Service, Firefighting Response and Emergency
Medical Service Requests for service.

Basic Accident Investigation and Reporting
Traffic Patrol and Enforcement
Criminal Investigation
Emergency Medical Service
Firefighter

INSTRUCTOR FOR & ATTENDED TRAINING:

1996 to 2005: Macomb Community College Criminal Justice Training Center
Instructor for Evidence Technician Training Course: Accident Scene Documentation
Instructor for Basic Police Academy: Crime Scene & Accident Scene Documentation

2003 to Present: Macomb Community College Criminal Justice Training Center
Instructor for Basic Detective School. Accident and Crime Scene
Evidence Collection and Documentation.

April 2005: Wayne State University School of Medicine Medicolegal Investigation of
Death. (Dr. Werner Spitz). Guest Lecturer/Presentation on Current
Technology and Techniques for Accident Investigation and other Crime Scenes.

COURT QUALIFICATIONS:

3-1-2000 People v Phillip Frederick. City of Roseville Michigan, 39th District Court. Before Judge Boedecker.
Negligent Homicide Preliminary Examination. Expert in Accident Reconstruction.

4-10-2001 People v Kati Naslouck . Macomb County 16th Judicial Circuit Court Before Judge Montgomery. OUID
Causing Serious Injury Trial. Expert in Accident Reconstruction

7-3-2001 People v Patterson City of Warren 37th District Court Before Judge Chumura.
Manslaughter Preliminary Examination. Expert in Accident Reconstruction.

12-7-2001 People v Patterson. County of Macomb 16th Judicial Circuit Court. Before .Judge Montgomery.
Manslaughter / Trial. Expert in Accident Reconstruction.

2-20-2002 People v Thiemky County of Macomb 16th Judicial Circuit Court. Before Judge Chrzanowski. Fleeing
the scene of a Fatal Accident / Trial. Expert in Accident Reconstruction.

COURT QUALIFICATIONS: (continued)

7-30-2002 People v Kue . City of Warren 37th District Court , Preliminary Examination.
2nd Degree Murder. Expert in Accident Reconstruction.

9-27-2002 People v Brian Smith County of Macomb 16th Judicial Circuit Court. Before Judge Chrzanowski.
Manslaughter /Trial. Expert in Accident Reconstruction.

4-7-2003 People v Bean ,City of Warren 37th District Court. Judge Gruenberg Preliminary Examination
Manslaughter. Expert in Accident Reconstruction .

1-13-2004 People v Bean County of Macomb 16th Judicial Circuit Court. Judge Matthew Switalski. Manslaughter
Trial. Expert in Accident Reconstruction.

11-18-2004 People v Nakawi Kue , City of Warren 37th District Court . Judge Gruenberg.
2nd degree Murder Preliminary Examination. Expert in Accident Reconstruction.

7-2006 People v Cates. City of Warren 37th District Court. Visiting Judge Sherman Faunce. 2nd Degree Murder
Preliminary Examination. Expert in Accident Reconstruction.

3-1-2007 People v Aaron Liggons, County of Macomb 16th Judicial Circuit Court , Before Judge Mark S. Switalski.
Attempted Murder w/ Motor Vehicle trial. Expert in Accident Reconstruction.

CERTIFICATIONS:

At –Scene Initial Traffic Crash Investigation
Advanced/Follow up Crash Investigation
Photography for Traffic Crash Investigation
Lamp and Bulb Examination for Traffic Crash Investigation
Tire Examination for Traffic Accident Investigation
Investigation of Motorcycle Crashes
Commercial Vehicle Crash Reconstruction
Traffic Crash Reconstruction
Night Visibility & Lighting Requirements
Pedestrian/Vehicle Collisions
Damage & Energy Applications for Collision Reconstruction.
Crash Data Recorder” Black Box” Retrieval & Interpretation of Data
Bio-Mechanics in Traffic Crash Reconstruction
Traffic Crash Investigation Involving Alcohol & Other Drugs
Standardized Field Sobriety Training & Drug Recognition
Emergency Vehicle Accident Investigation.
Evidence Technician

AFFILIATIONS:

Member Michigan Association of Traffic Accident Investigators (MATAI)

Past Board Member. Developed the October 3, 2003 Fall Conference Which Emphasized Training for Accident Reconstruction Specialists in the area of Bio-Mechanics, Wound Patterns and Trace Evidence Recovery.

Member SAE International (Society of Automotive Engineers)

ADDITIONAL RESEARCH/DATA COLLECTION:

July 2001 International Association of Accident Reconstruction Specialists Conference, (IAARS).
Conducted actual crash tests with vehicles equipped with Event Data Recorders comparing obtained data to known test information .Rollover Accidents and roll Stability of Heavy Trucks. Utilization of 3D animations in accident reconstruction, Airbag systems and Roadside Safety Engineering.

Michigan Association of Traffic Accident Investigators Conference (MATAI) June 2001
Michigan Association of Traffic Accident Investigators Conference November 2001
Michigan Association of Traffic Accident Investigators Conference October 2002
Michigan Association of Traffic Accident Investigators Conference May 2003
Michigan Association of Traffic Accident Investigators Conference October 2003
Michigan Association of Traffic Accident Investigators Conference October 2006
Michigan Association of Traffic Accident Investigators Conference May 2007
Michigan Association of Traffic Accident Investigators Conference September 2007
Michigan Association of Traffic Accident Investigators Conference May 2008

Conferences included test crashes for Event Data Recorders, test crashes with Yaw & Roll over Stability, Legal Aspects, Commercial vehicle braking, coefficient of friction and construction. Bio-Mechanics, Child Restraint Systems & other Accident Investigation Related Topics.

November 6, 2006: Participant in Night Visibility study in cooperation with Michigan State Police and Detroit Police.